Stat and Data Analysis Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classwork 2.1 Block: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Go to the SHARE drive, find the “McNelis” folder, open the SHARE folder, open the SDA folder, and open the “Intro Stat survey results for 2.1 CW” Excel file.

Complete the following using this class data. Answer each question by either copying a chart from Excel or typing your answer into this document. Save the file as: ***yourLastName-2.1classwork****.* Save often!! When finished, drop your word document into my drop folder. You do not need to save the Excel document.

1. Create a table for Type of Parent’s Car with frequency and percent shown.
2. Create a bar chart of counts for Zip Code.
3. Create a pie chart for Favorite Subject.
4. Create a two-way table comparing Hair Color to Gender. Copy it below. Then answer the following questions using the numbers from the chart. Show what you divided in each.
   1. How many males have brown hair?
   2. What percent of the class are brown haired and female?
   3. What percent ***of males*** have blonde hair?
   4. Given that someone is a female, what is the chance they have blonde hair (what percent)?
5. Create a stacked (segmented) bar chart showing the counts of males and females have each hair color. Let HAIR COLOR be the variable on the X-axis.
6. Create a stacked (segmented) bar chart showing the counts of males and females have each hair color. Let GENDER be the variable on the X-axis.
7. Create a stacked (segmented) bar chart showing the counts of males and females who are right and left handed. Let GENDER be the variable on the X-axis.

1. Create a stacked (segmented) bar chart showing the counts of males and females who are right and left handed. Let DOMINANT HAND be the variable on the X-axis this time.
2. Are males more likely to be left handed? Why or why not? Use the bar charts you made in #7 & 8 to justify your answer.
3. Create a two-way table for Sex vs. Parent’s Car. Copy it below. Then answer the questions.
   1. What percent ***of males*** have a parent that drives a SUV?
   2. What percent ***of those with parents that have a sedan*** are female?
   3. What percent of the class are males with (and) parents that drive a truck?
4. Create a two-way table separated by Sex showing the percent of Parent’s Car. Copy it below. Then answer the questions.
   1. What is the largest difference in Parent’s Car between the two sexes?
   2. Is it large enough to show a difference between the two Sexes?